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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/523,676	02/02/2005	Joachim Weber	2002DE122	6816

25255 7590 04/03/2006

CLARIANT CORPORATION
INTELLECTUAL PROPERTY DEPARTMENT
4000 MONROE ROAD
CHARLOTTE, NC 28205

EXAMINER

GREEN, ANTHONY J

ART UNIT	PAPER NUMBER
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1755

DATE MAILED: 04/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/523,676

Applicant(s)

WEBER ET AL.

Examiner

Anthony J. Green

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Response to Preliminary Amendment

1. The preliminary amendment submitted on February 02, 2005 has been entered. Claims 13-18 have been added and currently claims 1-18 are pending.

Specification

2. The abstract of the disclosure is objected to because it is not proper for a replacement abstract to contain underlining. Correction is required. See 37 C.F.R. 1.121.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over European Patent Specification No. 1,104,789 A2.

US Patent Application Publication No. 2004/0177790 is used as the English language equivalent of the European document.

The reference teaches pigment dispersants based on diketopyrrolopyrrole compounds and pigment preparations comprising them (see the abstract). The dispersant may be used in combination with a base pigment such as diketopyrrolopyrrole pigment and may be used to pigment high molecular mass organic

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diketopyrrolopyrrole pigment and may be used to pigment high molecular mass organic materials of natural or synthetic origin such as plastics and resins (see paragraph [0076] of the US Patent Application Publication.

The instant claims are obvious over the reference. While the reference does not provide the formula of the diketopyrrolopyrrole pigment it does teach that one may be used as the base pigment. Accordingly in the absence of evidence showing otherwise it would have been obvious to utilize any diketopyrrolopyrrole pigment for the diketopyrrolopyrrole pigment of the reference and thus arrive at the instant invention since the reference broadly teaches the use of various pigments. Note for instance that paragraph [0056] teaches examples of pigments that are utilizable as the base pigment and includes those found in instant claim 5. As for the pigment dispersant, it is the position of the examiner that the formula taught by the reference renders obvious the instant formula as it would have been obvious to one of ordinary skill in the art to utilize other diketopyrrolopyrrole compounds as the compound "Q" of the reference as "Q" is an example of a diketopyrrolopyrrole compound and those having similar formulas would be expected to be utilizable in the formula of the reference without producing any unexpected results absent evidence to the contrary as the formulas are very similar. As for the instant claim 6 this is rendered obvious by paragraph [0058] - [0063] of the reference which teach preferred pigment preparations. As for instant claims 7 and 14-15, paragraph [000072 - 0074] teach that the dispersants may be added during synthesis of the base pigment. As for claims 8-12 and 16-18 the reference recites that the pigment preparations may be using to pigment plastics, inks etc. and while the

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reference does not specifically recite partially crystalline plastics, this is a matter of obvious choice or design best determinable through routine experimentation and optimization within the art and producing no unexpected results, absent a showing otherwise as the basic premise of pigmenting various plastics is taught by the reference.

Double Patenting

5. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

6. Claims 1-6, and 13 provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-4 and 8 of copending Application No. 10/807,634. Although the conflicting claims are not identical, they are not patentably distinct from each other because the reduction to practice of the claims of the copending application would render obvious the instant claims.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

The copending application teaches a composition wherein a pigment dispersant having a formula similar to that instantly claimed is used in combination with a base pigment. It would have been obvious to substitute another diketopyrrolopyrrole compound for that of the reference without producing any unexpected results as compounds of similar formulas would be expected to have similar properties and behave similarly.

7. Claims 1-6 and 13 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-12 of copending Application No. 10/375,668. Although the conflicting claims are not identical, they are not patentably distinct from each other because the reduction to practice of the claims of the copending application would render obvious the instant claims.

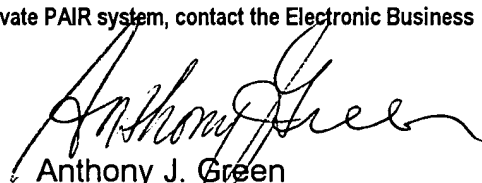
This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

The copending application teaches a composition wherein a pigment dispersant having a formula similar to that instantly claimed is used in combination with a base pigment. It would have been obvious to substitute another diketopyrrolopyrrole compound for that of the reference without producing any unexpected results as compounds of similar formulas would be expected to have similar properties and behave similarly.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony J. Green whose telephone number is 571-272-1367. The examiner can normally be reached on Monday-Thursday 6:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorengo can be reached on 571-272-1233. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Anthony J. Green
Primary Examiner
Art Unit 1755

ajg
March 20, 2006